

6JK6

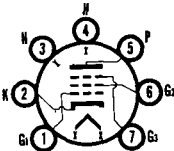
4JK6, 5JK6

Color Television Type

IF AMPLIFIER

Sharp Cutoff Pentode

- Construction Miniature T-5½
- Base Button 7 Pin, E7-1
- Basing 7CM
- Outline 5-2
- Maximum Diameter 0.750 In.
- Maximum Seated Height 1.875 In.
- Maximum Overall Height 2.125 In.



7CM



ELECTRICAL DATA**HEATER OPERATION**

	4JK6	5JK6	6JK6
Heater Voltage.....	3.7	4.9	6.3 Volts
Heater Current	600	450	350 Ma
Heater Warm-up Time	11	11	— Seconds
Maximum Heater-Cathode Voltage			
Heater Negative with Respect to Cathode			
Total DC and Peak.....			200 Volts
Heater Positive with Respect to Cathode			
DC			100 Volts
Total DC and Peak.....			200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid No. 1 to Plate (Max.).....	0.02 Pf
Input: g1 to (h + k + g2 + g3 + IS)	9.5 Pf
Output: p to (h + k + g2 + g3 + IS)	2.7 Pf

RATINGS (Design Maximum Rating System)

Plate Voltage (Max.)	275 Volts
Grid No. 2 Supply Voltage (Max.)	275 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)
Plate Dissipation (Max.)	2.5 Watts
Grid No. 2 Dissipation (Max.)	0.6 Watt
Cathode Current (Max.).....	22 Ma
Grid No. 1 Circuit Resistance (Self Bias) (Max.)	0.5 Megohm

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

Plate Voltage	125 Volts
Grid No. 3 Voltage	Connected to Cathode at Socket
Grid No. 2 Voltage	125 Volts
Cathode Bias Resistor	68 Ohms
Plate Current	11.5 Ma
Grid No. 2 Current	3.9 Ma
Transconductance	18,000 μ mhos
Plate Resistance (Approx.)	0.15 Megohm
Grid No. 1 Voltage for Ib = 20 μ a (Approx.)	-3.5 Volts
R Input at 44 MHz	4000 Ohms